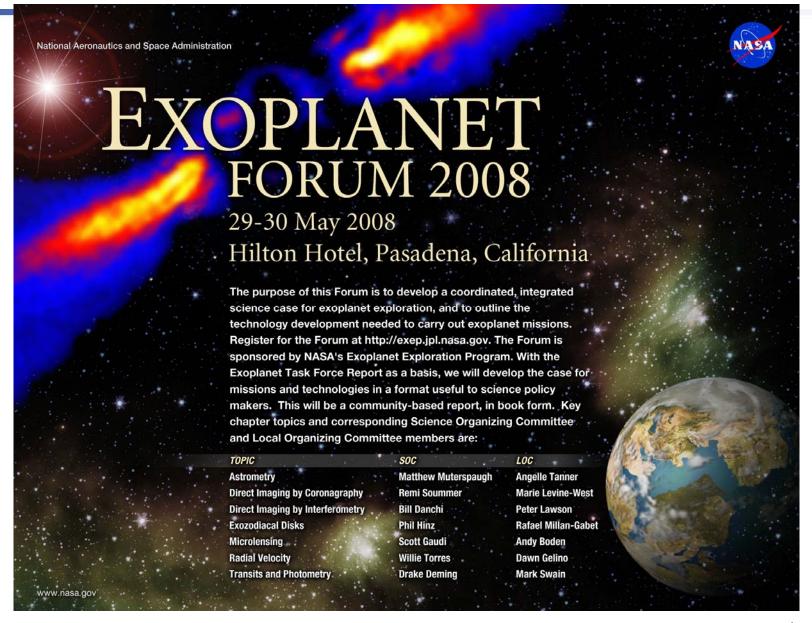


Welcome to Exoplanet Forum 2008





Exoplanet Forum 2008



- Purpose: Provide an integrated, coherent plan for exoplanet missions in the 2010s.
- Method: Describe science and technology of main technique-based exoplanet detection & characterization methods, in a community-based book.
- Goal: Provide information to Exoplanet Program
 Advisory Group (ExoPAG) and Decadal Survey in a
 form that facilitates decision making.



Organization and Timeline



Forum Organization:

- Forum meeting was requested by NASA HQ
- 7 group leads appointed
- telecons organized to write respective chapters
- template provided
- meeting in Pasadena on 29-30 May to revise 1st drafts
- ~180 participants

Forum Book Timeline:

- 2nd draft due mid-July
- to HQ for review late July
- to ExoPAG mid-September
- view-graphs to HQ for review in early December
- view-graphs presented at AAS in January
- approved by HQ in January
- printed in February
- mail to Decadal Survey in March



Registrants



Total Registrants: 176

Astrometry (A): 48

Direct imaging - optical coronagraphy (C): 77

Direct imaging - mid-IR interferometry (I): 40

Exozodiacal disks (E): 30

Radial velocity (R): 29

Transits (T): 41

Microlensing (M): 10

General interest (G): 76

We are here in spite of competition from CoRoT discoveries, IAU transit meeting, Phoenix landing, World Science Festival, exhaustion from the ExoPTF writing, and parallel meetings.



Inputs & Outputs



Inputs:

- ExoPTF Report to AAAC (196 pp)
- NASA budget expectations
- Current knowledge of exoplanet characteristics
- Potential knowledge from future characterization

Outputs:

- Science (status & future) in each technique area
- Missions to achieve future science
- Technology milestones needed for missions
- Book of exoplanet Science/Missions/Technology in 2010s in 7 technique-oriented chapters



Book Outline



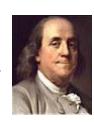
- Title: Exoplanet Exploration in the 2010s
- Editors: Traub, Unwin, & Lawson
- Forward: Dressler
- Executive Summary: Editors & chapter leads
- Astrometry: Muterspaugh, Tanner & 48 co-authors
- Direct Visible Imaging: Soummer, Levine & 77 co-authors
- Direct Infrared Imaging: Danchi, Lawson & 40 co-authors
- Exozodiacal disks: Hinz, Millan-Gabet & 30 co-authors
- Microlensing: Gaudi, Boden & 10 co-authors
- Radial Velocity: Torres, Gelino & 29 co-authors
- Transits & Photometry: Deming Swain, & 41 co-authors
- Appendices: list of authors, ...



Prioritizing Issue



 Ben Franklin: "We must hang together, gentlemen...else, we shall most assuredly hang separately."



- Jon Morse: "provide an integrated, coherent plan"
- Suggestion: adopt Mars or Beyond Einstein model:
 - Probe-class technique-A mission ASAP
 - Probe-class technique-B,C missions to follow, with timing and order to be assessed post-Survey
 - Flagship D-technique mission in ~2020
 - Flagship E-technique mission in 2020s



Agenda: Thursday

	Thursday 29 May 2008	
	San Gabriel Room	
7:30	Registration open	Dani Lopez & Ozhen Pananyan
8:00	Coffee and Healthy Donuts	
8:30	Introduction 1 and Discussion	Wes Traub, Steve Unwin, Peter Lawson
8:40	Exoplanet Exploration Program View	Michael Devirian
8:50	NASA Headquarters View 1	Doug Hudgins
9:00	Astrometry 1	Matt Muterspaugh and Angelle Tanner
10:00	Coffee etc.	
10:30	Astrometry 2	Matt Muterspaugh and Angelle Tanner
11:30	Direct Imaging by Coronagraphy 1	Remi Soummer and Marie Levine-West
12:30	Working Lunch	
1:00	Direct Imaging by Coronagraphy 2	Remi Soummer and Marie Levine-West
3:00	Coffee and Juice	
3:30	Direct Imaging by Interferometry 1	Bill Danchi and Peter Lawson
4:30	Stretch	
4:45	Direct Imaging by Interferometry 2	Bill Danchi and Peter Lawson
5:45	Radio technique	Daniel Winterhalter and Walid Majid
6:00	Discussion	
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Agenda: Friday

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	Friday 30 May 2008	
	San Gabriel Room	
7:30	Registration open	Dani Lopez & Karla Miller
8:00	Coffee and Healthy Donuts	
8:30	Introduction 2 and Discussion	Wes Traub, Steve Unwin, Peter Lawson
8:40	NASA Headquarters View 2	Eric Smith
8:50	NASA Headquarters View 3	Zlatan Tsvetanov
9:00	Exozodiacal Disks 1	Phil Hinz and Rafael Millan-Gabet
10:00	Coffee etc.	
10:30	Exozodiacal Disks 2	Phil Hinz and Rafael Millan-Gabet
11:30	Microlensing 1	Scott Gaudi and Andy Boden
1:00	Working Lunch	
1:30	Radial Velocity 1	Willie Torres and Dawn Gelino
2:30	Coffee and Juice	
3:00	Radial Velocity 2	Willie Torres and Dawn Gelino
4:00	Transits and Photometry 1	Drake Deming and Mark Swain
5:00	Stretch	
5:15	Transits and Photometry 2	Drake Deming and Mark Swain
6:15	Discussion	
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Logistics



- Pay \$15 for buffet lunch, before 9am
- Working lunch: OK to eat at tables
- Validate (=stamp) parking slip, \$9 vs \$15